

SETD7 recombinant protein

SETD7, Active

CATALOG # AAA73131	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
------------------------------	---	--

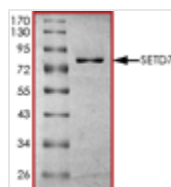
PRODUCT SYNONYMS

SETD7; Active; SETD7 recombinant protein

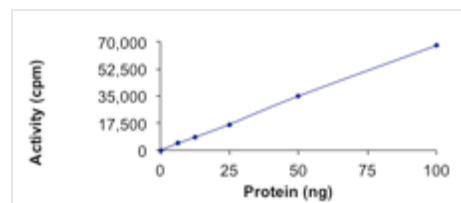
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full Length
Sequence Length	7374
Applicable Applications for SETD7 recombinant protein	Methyltransferase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for SETD7 recombinant protein	Description: Recombinant full-length human SETD7 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: SETD7 or SET domain containing lysine methyltransferase 7 is a lysine methyltransferase which can methylates lysine-4 (K4) in histone H3 in vitro and in vivo. Methylation of K4 in histone H3 by SETD7 and methylation of K9 in histone H3 by SUV39H1 were found to have differential effects on subsequent histone acetylation by p300 (1). SETD7 can also methylate p53 at lys372 within the C-terminal regulatory region (2). Methylated p53 is restricted to the nucleus and the modification positively affects its stability. SETD7 regulates the expression of p53 target genes in a manner dependent on the p53 methylation site.
Product Categories/Family for SETD7 recombinant protein	Enzymes; Active Methyltransferases

References	1. Wang, H. et al: Purification and functional characterization of a histone H3-lysine 4-specific methyltransferase. Molec. Cell 8: 1207-1217, 2001. 2. Chuikov, S. et al: Regulation of p53 activity through lysine methylation. Nature 432: 353-360, 2004.
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	807201075
NCBI GeneID	80854
NCBI Accession #	NM_030648.3
NCBI GenBank Nucleotide #	NM_030648
UniProt Accession #	Q8WTS6; Q0VAH3; Q4W5A9; Q9C0E6; B5WWL3
Molecular Weight	~75 kDa
NCBI Official Full Name	Homo sapiens SET domain containing lysine methyltransferase 7 (SETD7), transcript variant 1, mRNA
NCBI Official Synonym Full Names	SET domain containing lysine methyltransferase 7
NCBI Official Symbol	SETD7
NCBI Official Synonym Symbols	KMT7; SET7; SET9; SET7/9
NCBI Protein Information	histone-lysine N-methyltransferase SETD7
UniProt Protein Name	Histone-lysine N-methyltransferase SETD7
UniProt Gene Name	SETD7
UniProt Synonym Gene Names	KIAA1717; KMT7; SET7; SET9; H3-K4-HMTase SETD7

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/setd7-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/73131>